

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P790645

Luminaire Tested: LER6D25D010-EC6DR1515309040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR1515309040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3433.8 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

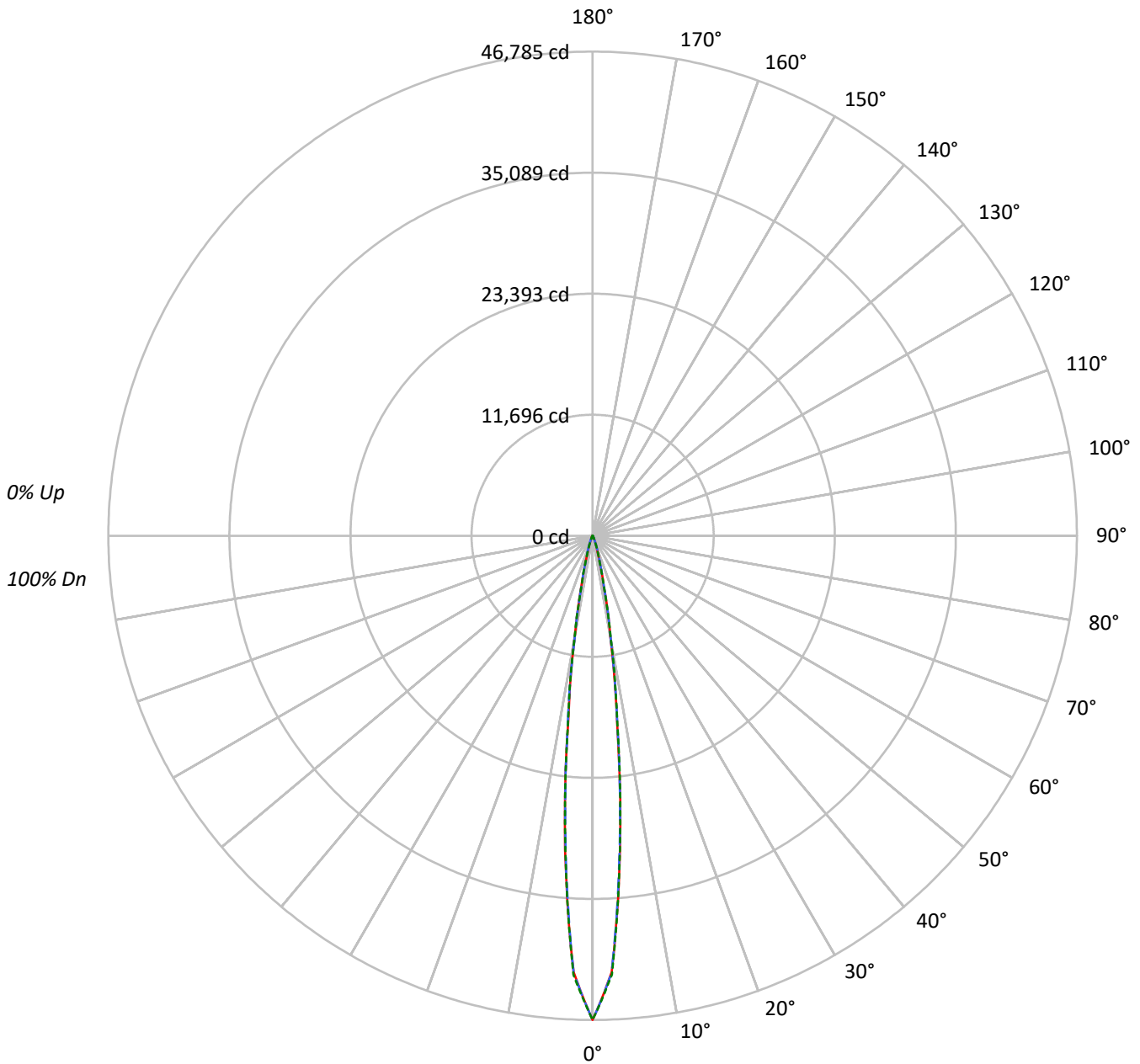


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5264246	5264246	5264246
5°	3093513	3053461	3077618
10°	923269	929736	943965
15°	229658	234131	226905
20°	68715	79573	70171
25°	24219	30856	24531
30°	8896	11719	9046
35°	4459	5033	4314
40°	2812	3096	2812
45°	2079	2219	2079
50°	1655	1655	1655
55°	1378	1378	1378
60°	1109	1109	1109
65°	849	849	849
70°	724	724	724
75°	446	446	597
80°	315	315	315
85°	166	166	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2219 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2227.1	64.9
10°-20°	916.1	26.7
20°-30°	181.9	5.3
30°-40°	45.4	1.3
40°-50°	23.9	0.7
50°-60°	17.7	0.5
60°-70°	12.5	0.4
70°-80°	7.1	0.2
80°-90°	2.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3325.1	96.8
0°-40°	3370.5	98.2
0°-60°	3412.0	99.4
0°-90°	3433.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3433.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	46785	46785	46785	46785	46785	
5°	30439	30126	30045	30253	30283	2223
15°	2644	2694	2696	2648	2612	907
25°	311	352	396	351	315	163
35°	61	65	69	65	59	42
45°	30	30	32	30	30	23
55°	20	20	20	20	20	18
65°	12	12	12	12	12	13
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	46785.0	46785.0	46785.0	46785.0	46785.0
2.5°	42201.9	42237.6	42251.4	42293.0	42447.5
5°	30439.3	30126.4	30045.2	30253.2	30282.9
7.5°	18031.1	18094.5	18326.2	18377.7	18191.5
10°	9894.9	9976.1	9964.2	10035.5	10116.7
12.5°	5060.3	4997.0	4977.2	5058.4	4945.5
15°	2644.1	2693.6	2695.6	2648.0	2612.4
17.5°	1422.0	1479.5	1574.6	1497.3	1378.5
20°	839.8	891.3	972.5	909.1	857.6
22.5°	518.9	560.5	617.9	568.4	526.8
25°	310.9	352.5	396.1	350.6	314.9
27.5°	184.2	219.8	247.6	217.9	182.2
30°	118.8	138.6	156.5	136.7	120.8
32.5°	83.2	91.1	99.0	91.1	83.2
35°	61.4	65.4	69.3	65.4	59.4
37.5°	47.5	51.5	53.5	49.5	45.6
40°	39.6	41.6	43.6	41.6	39.6
42.5°	33.7	35.7	35.7	35.7	33.7
45°	29.7	29.7	31.7	29.7	29.7
47.5°	25.7	25.7	27.7	25.7	25.7
50°	23.8	23.8	23.8	23.8	23.8
52.5°	21.8	21.8	21.8	21.8	21.8
55°	19.8	19.8	19.8	19.8	19.8
57.5°	17.8	17.8	17.8	17.8	17.8
60°	15.8	15.8	15.8	15.8	15.8
62.5°	13.9	13.9	13.9	13.9	13.9
65°	11.9	11.9	11.9	11.9	11.9
67.5°	11.9	11.9	11.9	11.9	11.9
70°	9.9	9.9	9.9	9.9	9.9
72.5°	7.9	7.9	7.9	7.9	7.9
75°	5.9	5.9	5.9	5.9	7.9
77.5°	5.9	5.9	5.9	5.9	5.9
80°	4.0	4.0	4.0	4.0	4.0
82.5°	4.0	4.0	4.0	4.0	4.0
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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